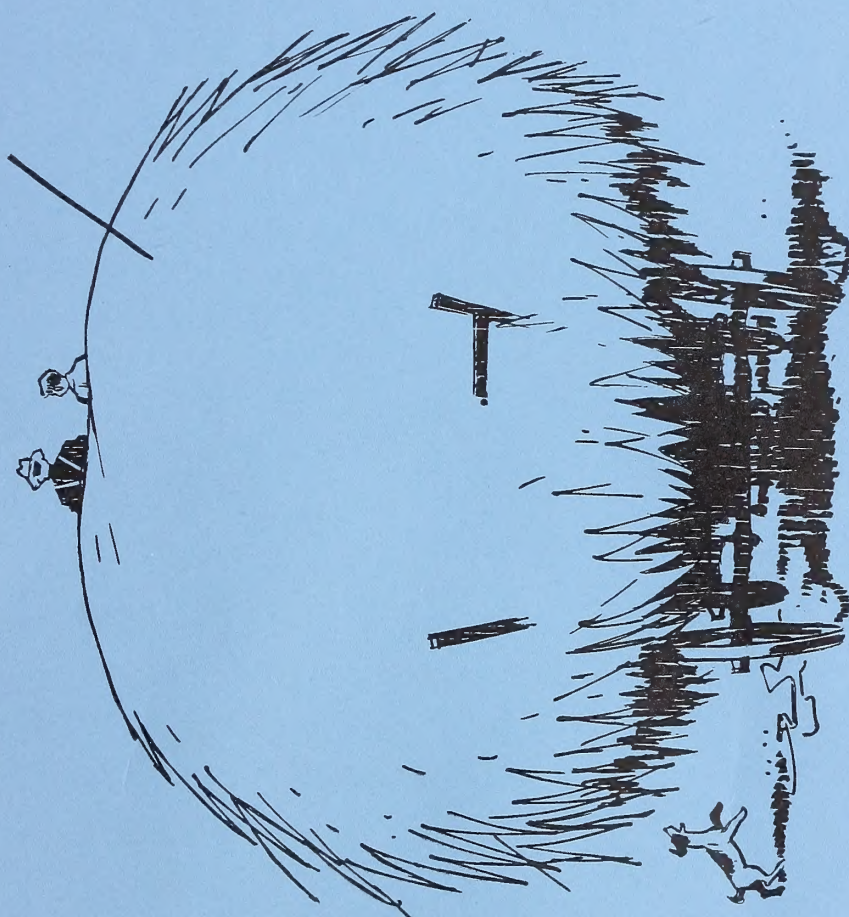


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MONTANA COMMERCIAL FEED REPORT



The Department of Agriculture, State of Montana, Helena, Montana

Keith Kelly, Director
Roy Bjornson, Administrator

Volume 29, 1982

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MONTANA DEPARTMENT OF AGRICULTURE

Plant Industry Division

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Steve Schmidt, Agricultural Inspector

This report consists of the following sections:

Commercial Feed Analyses.....	Pages 1-14
Pet Food Analyses.....	Pages 14-15
Statistical Data.....	Pages 16-17

Abbreviations used:

NPN.....	Non-Protein Nitrogen
C.....	claimed
F.....	found
ppm.....	parts per million
*.....	out of tolerance
<.....	less than

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN		FAT		FIBER		MINERALS		VITAMINS USP UNITS		(1)DRUGS (2)CONTAMINANT	
			(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)
AWC LTD. 2150 4th Ave. S. Clear Lake, IA 50428														
SID Pig Strt. Base..Manhattan Dairy Supp.-A, B plus F.....Manhattan		4776 4777	15.0 24.0	15.6 24.0	11.0 24.0	13.9								
AGRI-FEED & SERVICE, INC. 1518 Dodge Avenue Helena, MT 59601		4823 4824	17.0 14.0	15.6* 13.1*										
17% Layer Ration....Helena 14% Swine Finisher..Helena														
ALBERTA LINSEED OIL CO., LTD. Medicine Hat, Alberta Canada		4857 4921	36.0 36.0	36.1 35.0										
"Alox" Linseed Meal..Kalispell "Alox" Linseed Meal..Hamilton														
ALCO FEEDS 2978 Wylie Drive East Helena, MT 59635		4798	28.0	29.2	4.5	5.1	14.5	15.3						
D.D.G.S.....East Helena														
ALCOTECH Ringling, MT 59642		4773	30.0	29.0	3.0	4.8	14.0	14.5						
Distillers Product..Ringling														
ANDERSON RESEARCH LAB P.O. Box 1175 Bozeman, MT 59715		4778												
Silent Herder.....Bozeman														
BETTER NUTRENTS INC 5050 Poplar, Suite 2230 Memphis, IN 38157		4894	22.0	21.3	13.0	13.0								
Easy Mix Kaff A. Medicated.....Culbertson														
BIG HORN CALCIUM CO. Warren, MT		4621												
Calcium Carbonate Malta														
BIG SKY FEEDS & SUPPLY, INC. Box 1402 Billings, MT 59103		4730	20.0 6.5	21.5 6.6NPN										
Big Sky Range Block 20%.....Billings														
Big Sky Block 15% A.N.....Billings		4731	15.0	15.5										
Big Sky Swine Concen- trate (G & M).....Billings		4732	36.0	35.2										
Big Sky Hog Finisher.....Billings		4733	14.0	17.6	2.0	4.0								
Big Sky Layer 16%...Billings		4734	16.0	16.4	3.0	3.2	7.5 6.0	6.8 3.8						
BIG SKY FEED & SUPPLY Box 2799 Great Falls, MT 59403		4589	16.0	16.5	3.0	3.0	6.0	5.9						
Big Sky Layer 16%...Gt. Falls Big Sky Commercial Creep Ration.....Gt. Falls		4590	13.0	14.9										
Big Sky Complete Rabbit Ration.....Gt. Falls		4591	15.0	15.3	2.0	2.3	18.0	17.4						

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN		FAT		FIBER		MINERALS		VITAMINS		(1)DRUGS (2)CONTAMINANT			
			(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	USP UNITS	(C)	(F)	(C)	(F)	
BIG SKY FEED & SUPPLY (continued)																
Big Sky Commercial Creep Ration.....Gt. Falls		4799	13.0	13.3	1.5	3.5	10.0	9.0								
Big Sky Pre-Conditioner Medicated.....Gt. Falls		4801	12.0	14.0												
Big Sky Layer 16%...Gt. Falls		4802	16.0	16.6												
Big Sky Range 20%...Gt. Falls		4803	20.0	20.6					Calcium 0.7-1.0	0.84	A	30,000	27,000			
									Phosphorus 1.0	1.0						
BIO-ZYME ENTERPRISES, INC.																
1231 Alabama St. Joseph, MO 64504																
Vita Farm Cow Calf 5.....Butte		4596	14.0	13.4*					Calcium 5.-6.	6.7	A	240,000	670,000			
									Phosphorus 5.0	5.4	D ₃	7,500	10,000			
									Magnesium 2.1	2.2						
									Salt 18.5-22.	21.5						
									Calcium 3.5-4.5	4.4						
									Phosphorus 2.9	3.0						
									Salt 0.2-1.0	0.8						
									Iodine 0.033	0.24						
									Magnesium 5.4	5.4						
									Calcium 3.3-3.9	4.6						
									Phosphorus 4.0	4.2						
									Salt 18.-20.0	19.3						
									Magnesium 10.0	10.9						
C B & F DEVELOPMENT CORPORATION																
Box 412 Culbertson, MT 59218																
Super Hi Energy Range Pellets Med.....Culbertson		4898	11.0	11.8							A	20,000	14,000			
Super 15% Calf Pre-Conditioning Pellets Med.....Culbertson		4899	15.0	14.9					Calcium 0.30-0.40	0.60						
									Phosphorus 0.35	0.57						
CARGILL, INC.																
Box 779 Lewistown, MT 59457																
Super-38 Dairy Con...Lewistown		4838	38.0	34.8*												
20 Range Cubes (C)...Lewistown		4839	20.0	20.0												
14% Range Cubes AN...Lewistown		4840	14.0	14.7												
MT Small Grain Supp...Lewistown		4832	36.0	33.4*	2.0	3.0	10.5	7.9	Calcium 4.0-5.0	4.7	A	25,000	23,000			
									Phosphorus 2.2	1.9	D ₃	12,500	12,000			
									Salt 2.25-3.0	2.67						
Top Calf Starter Ration Medicated.....Lewistown		4833	18.0	18.9												
Beef Cake (M600) Medicated.....Lewistown		4834							Calcium 15.5-16.5	19.4*	A	20,000	22,000			
									Phosphorus 0.5	0.29*						
									Salt 11.5-12.5	14.2						
Chick Strt. (L)Med...Lewistown		4835	20.0	20.6												
Lamb Ftnr (M)Med...Lewistown		4836	12.0	14.2												
Horse Kwick Ration with roughage.....Lewistown		4837	12.5	14.2												
CARGILL, NUTRENA FEED DIV.																
Box 9300, Dept. 14 Minneapolis, MN 55440																
Sol. Ex. Sunflower Meal 34%.....Billings		4735	34.0	30.7*					Calcium 5.0-6.0	5.6	A	150,000	180,000			
5-15 Hi Phos Min....Helena		4825							Phosphorus 15.0	15.6						
									Salt 4.5-5.5	4.8						
									Manganese 0.125	0.159						
									Iron 0.25	1.7						
34% Sunflower Meal...Culbertson		4895	34.0	35.3												

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN		FAT		FIBER		MINERALS		VITAMINS USP UNITS		(1) DRUGS (2) CONTAMINANT	
			(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)
CENTRAL BI-PRODUCTS														
Redwood Falls, MN														
Gro-Mor Meat & Bone														
Meal.....Ronan		4916	50.0	50.8										
CENTRAL FLEED COMPANY														
220 East Main														
Lewistown, MT 59457														
Calf King.....Lewistown		4714	12.0	12.8	1.5	2.8	10.5	6.3						
Beef Perf. Pellet.....Lewistown		4715	13.0	13.4	2.0	2.7	11.5	5.9						
Hi Energy Range														
Chief 20.....Lewistown		4716	20.0	20.1					Calcium 1.0-1.5	0.69*	A	30,000	52,000	
									Phosphorus 0.5	0.7	D	5,000	7,300	
									Salt 1.0-1.5	1.4				
									Calcium 7.0-8.0	9.6*	A	250,000	270,000	
									Phosphorus 16.0	18.1	D	45,000	44,000	
									Iodine 0.036	0.146				
Power-Min 16.....Lewistown		4717												
Hi-Life Calf King.....Lewistown		4847	12.0	12.3										
Hi-Life Calf Milk Re-														
placer 22-15.....Lewistown		4848	22.0	22.4	15.0	15.2								
Hi-Life Beef Performance														
Pellets.....Lewistown		2849	13.0	12.3*										
Hi-Life Pig Grower Pellets														
Medicated.....Lewistown		4850	16.0	15.6	2.0	2.5	6.5	5.9						
COMMERCIAL GRAIN														
East Northern Avenue														
Plentywood, MT 59254														
Swine Min. Mix.....Plentywood		4900							Calcium 22.0-25.0	21.8				
									Phosphorus 9.0	8.9				
									Salt 12.0-13.0	16.1				
CONTINENTAL GRAIN COMPANY														
Processing Division														
277 Park Avenue														
New York, NY 10172														
20% Pro. Safflower														
Meal.....Culbertson		4687	20.0	22.2										
28% Pro. Sunflower														
Meal.....Culbertson		4688	28.0	29.7										
Soybean Meal.....Sidney		4745	44.0	38.9*										
24% Pro. Sol. Extracted														
Safflower Meal.....Culbertson		4891	24.0	21.6*										
CONAGRA, INC.														
1420 Minnesota														
Billings, MT 59101														
GWF Dairy Premix														
Medicated.....Lewistown		4842							Phosphorus 5.0	4.9	A	400,000	590,000	
									Salt 24.-25.	25.4	D ₃	400,000	470,000	
CONAGRA, INC.														
Box 2548														
Great Falls, MT 59403														
Dairy Hi Pow'r Plus														
32.....Gt. Falls		4603	32.0	32.5										
Lay Pow'r 20.....Gt. Falls		4604	20.0	21.0	3.0	3.5	6.0	5.5	Calcium 2.0-3.0	2.0				
Rabbit Pow'r Med.....Gt. Falls		4605	18.0	19.4	2.0	2.6	16.0	14.9	Phosphorus 1.3	1.3				
Super Horse Pow'r									Salt 1.5-2.5	1.2				
30.....Gt. Falls		4606	30.0	30.4	1.0	2.2	7.0	6.3						
Range Pow'r 20														
Block.....Malta		4620	20.0	21.8							A	30,000	69,000	
			6.6	6.7NPN										
Alfalfa 15.....Malta														
Dairy Hi Pow'r														
Plus 32.....Lewistown		4841	32.0	34.1										
Pork Pow'r 16 G-30														
Medicated.....Lewistown		4843	16.0	15.3*										
													(?) Endrin	None

MANUFACTURER, BRAND and PRODUCT NAME		PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN		FAT		FIBER		MINERALS		VITAMINS		(1)DRUGS (2)CONTAMINANT		
			(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)
CONAGRA, INC. (continued)																
Hi Pow'r Ani-			4844	10.0	10.9NPN						Calcium Phosphorus Salt	8.6-10.3 15.0 3.5-4.5	8.8 14.2 3.6	A	100,000	65,000*
Range & Creep Pow'r																
14.....Lewistown			4845	14.0	14.3											
Steer Pow'r 20 Med..Lewistown			4846	20.0	20.6											
				6.5	6.7NPN											
Fattener Pow'r B & L			4851	12.0	13.4											
Medicated.....Lewistown																
Sheep & Calf Pow'r																
Blox.....Gt. Falls			4880	15.0	20.5									A	20,000	22,000
				4.3	6.7*NPN											
Pork Pow'r 16																
C-30 Med.....Gt. Falls			4881	16.0	15.6											
Master Dairy Pow'r Plus																
16.....Gt. Falls			4882	16.0	16.7											
				3.0	2.9NPN											
Hi-Pow'r Molas-																
O-Cake.....Gt. Falls			4883	20.0	16.4*									A	30,000	23,000
				5.0	1.6*NPN											
CONAGRA, INC.																
Box 671																
Knoxville, TN 37901																
Master Dairy Power																
Plus 16.....Butte			4609	16.0	15.8											
				3.0	3.3NPN											
Range Pow'r Molas-																
o-Blox.....Butte			4610	20.0	20.7									A	30,000	49,000
				6.6	6.6NPN											
Super Swine Base																
Mix.....Bozeman			4611	34.0	34.7									A	60,000	67,000
														D ₃	6,400	7,300
Horse Pow'r 12																
Complete.....Bozeman			4612	12.0	14.1											
Rabbit Pow'r Med....Bozeman			4613	18.0	18.9											
Top Cow Dairy																
Minecal.....Bozeman			4614													
Sheep & Calf																
Pow'r Blox.....Bozeman			4615	15.0	16.4									A	246,000	280,000
Dairy Hi Pow'r Plus														D ₃	158,500	143,000
32.....Bozeman			4616	32.0	33.2											
				10.5	10.6NPN											
Lay Pow'r 20.....Bozeman			4617	20.0	20.2											
Range Pow'r 20 Blk..Helena			4820	20.0	20.3									A	30,000	48,000
				6.6	6.3NPN											
Pork Pow'r 16 C-30..Helena			4821	16.0	14.9*											
Super Horse Pow'r																
30.....Helena			4822	30.0	30.5											
DOMAIN, INC.																
Doboy Feeds																
New Richmond, WI 54017																
Tendrlean Base																
Formula.....Belgrade			4807	8.0	13.0									A	600,000	1,900,000
														D ₃	120,000	200,000

Page 4

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN		FAT		FIBER		MINERALS		VITAMINS USP UNITS		(1)DRUGS (2)CONTAMINANT	
			(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)
EQUITY SUPPLY (continued)														
Equity Dairy Feed....Kalispell		4657	16.0	17.3										
			2.5	5.4*NPN										
Equity Horse Feed....Kalispell		4658	13.0	14.5	2.0	2.7	8.0	5.1			A	14,000	28,000	
13% Pig & Hog Fd....Kalispell		4659	13.0	13.2	2.0	2.1	7.0	2.8			D ₃	5,000	5,900	
Equity Supply Hog		4660	15.0	14.8										
Grower.....Kalispell		4661	14.5	16.5										
Equity Sheep & Goat														
Feed.....Kalispell														
Equity Colt Feed....Kalispell		4662	14.5	12.8*							A	14,000	29,000	
Equity Egg Mash.....Kalispell		4663	20.0	19.2*							D ₃	5,000	6,300	
13% Pig & Hog Fd....Kalispell		4664	13.0	13.3							A ₃	14,000	27,000	
Equity Supply's Hog											D ₃	5,000	5,900	
Grower.....Kalispell		4665	15.0	13.2*										
Pig & Hog Finisher														
Mash.....Kalispell		4859	13.0	13.1										
Equity Horse Fd 13..Kalispell		4860	13.0	12.9							A	14,000	11,000	
FARMERS UNION GRAIN TERMINAL ASSOCIATION														
Box 427														
Chinook, MT 59523														
Six-In-One.....Chinook		4704	38.0	37.1							A	6,000	8,700	
Complete Layer.....Chinook		4705	16.0	16.0										
Beef Advancer Med....Chinook		4706	20.0	20.0							A	30,000	39,000	
											D ₃	6,000	6,400	
FARMERS UNION GRAIN TERMINAL ASSOCIATION														
Dickinson, ND														
Six-In-One Med.....Sidney		4684	38.0	36.7*							A	6,000	11,000	
Kalf Kik Med.....Sidney		4685	14.0	15.8	1.75	2.6	10.0	7.1			A	5,000	11,000	
Beef Mix R.M. 600....Sidney		4703	18.0	11.0*										
FARMERS UNION GRAIN TERMINAL ASSOCIATION														
Box 69														
Forsyth, MT 59327														
Feed Oats.....Forsyth		4679												
Alfalfa Pellets.....Forsyth		4680												
Feed Corn.....Forsyth		4681												
Feed Barley.....Forsyth		4682												
FARMERS UNION GRAIN TERMINAL ASSOCIATION														
Box 232?														
Great Falls, MT 59401														
Beef Mix RM 600														
Medicated.....Gt. Falls		4592	8.0	8.4										
Para Pak Med.....Gt. Falls		4593	38.0	39.3							A	6,000	18,000	
Hi-En 12 Med.....Gt. Falls		4594	12.0	12.2							A	10,000	19,000	
C & C 16.....Gt. Falls		4595	16.0	18.7							A	30,000	54,000	
			5.5	8.2*NPN							D ₃	6,000	6,300	
Kalf Kik Med.....Conrad		4749	14.0	13.9	1.75	2.8	10.0	10.0						

(2) Endrin
(2) Endrin
(2) Endrin
(2) Endrin
None
None
None
None

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN		FAT		FIBER		MINERALS	(1) DRUGS (2) CONTAMINANT		
			(C)	(F)	(C)	(F)	(C)	(F)		(C)	(F)	
FARMERS UNION GRAIN TERMINAL ASSOCIATION (continued)												
Dari-Kalf Starter Medicated.....	Conrad	4750	16.0	17.1	2.0	3.1	8.0	6.7	Calcium Phosphorus	0.25-0.75 0.4	0.65 0.5	
Spurt Med.....	Gt. Falls	4865	12.0	12.4								
Styr-up.....	Gt. Falls	4866	13.0	14.6								
Dairy-Kalf Grower Medicated.....	Gt. Falls	4867	14.0	14.4	2.0	2.8	9.0	6.8	Calcium Phosphorus	2.0-3.0 1.5	2.8 1.7	
Beef Booster.....	Gt. Falls	4868	38.0	37.9								
Pig Developer Yellow Medicated.....	Gt. Falls	4869	16.0	16.2								
FARMERS UNION GRAIN TERMINAL ASSOCIATION												
Box 1447 Sioux Falls, SD 57201												
Rabbit Crunchies.....	Butte	4599	15.0	14.7	2.0	3.2	17.0	14.5				
Swine Lactation Ration.....	Butte	4600	15.0	15.7	2.0	2.1	10.0	4.7				
Pig Developer Med.....	Butte	4601	16.0	16.3	2.0	3.0	7.0	4.3				
Six-In-One.....	Butte	4602	38.0	37.9					Calcium Salt Zinc	3.75-4.75 1.5-2.5 0.05	4.4 1.8 0.06	12,000
Six-In-One Med.....	Glendive	4699	38.0	36.6*					Calcium Salt	3.75-4.75 2.25 2.0-3.0	4.68 2.56 1.9	16,000
Swine Finisher.....	Glendive	4700	14.0	13.9								
Pro-En 22.....	Glendive	4701	22.0	20.5*								
C & C 12.....	Glendive	4702	7.5	6.6NPN								
Pig Crunchies Green Medicated.....	Kalispell	4861	18.0	18.4								
FARMERS UNION GRAIN TERMINAL ASSOCIATION												
Box 43594 St. Paul, MN 55165												
C & C 12.....	Forsyth	4761	12.0	12.5					Salt	1.0-2.0	1.3	
Cattle Cull.....	Forsyth	4762	20.0	20.1								
Kalf Kix Med.....	Forsyth	4763	14.0	14.6					Calcium Phosphorus Calcium Phosphorus Calcium Phosphorus Salt	0.5-1.5 0.5 2.0-3.0 1.5 2.5-3.5 1.75 1.5-2.5	0.5 0.5 2.8 1.5 2.9 1.61 1.6	24,000 2,500 36,000
Beef Booster.....	Kalispell	4862	38.0	36.5*								
Lay-Con-42.....	Choteau	4873	42.0	38.5*								
FARR BETTER FEEDS												
Box 20462 Billings, MT 59104												
Custom Range Cube.....	Billings	4710	16.0	16.2					Calcium Phosphorus Iodine	0.5-0.65 0.65 0.0049	0.65 0.73 0.0079	75,000
Cube 121.....	Billings	4711	12.0	14.1					Calcium Phosphorus Salt	0.9-2.2 0.35 1.9-2.1	1.1 0.53 2.4	41,000
16% Hog Grower.....	Billings	4712	16.0	18.7					Calcium Phosphorus Salt	0.65-0.75 0.6 0.45-0.55	0.68 0.7 1.5*	
Calf Milk Replacer Medicated.....	Billings	4713	21.0	20.8	20.0	19.7						
THE FEED & FERTILIZER DEPOT												
Box 158 Miles City, MT 59301												
The Depot 12.....	Miles City	4756	12.0	15.2					Calcium Phosphorus Salt	0.5-1.5 0.5 1.0-2.0	0.23* 0.5 1.6	21,000 6,300 39,000
14% Protein.....	Miles City	4757	14.0	17.7	1.75	2.1	13.0	7.3				

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN		FAT		FIBER		MINERALS		VITAMINS USP UNITS		(1) DRUGS (2) CONTAMINANT	(C)	(F)	
			(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)				
FOREMOST FOODS COMPANY One Post Street San Francisco, CA 94104 Dried Whey Prod.....Belgrade		4813	16.0	16.8												
GOLD LABEL FEEDS Box 427 West Fargo, ND 58078 Gold Label 32% Beef Supplement.....Bainville		4892	32.0	15.3*					1.9-2.2	1.9	A	40,000	51,000			
			10.2	0.4*NPN					Calcium 2.3-2.7	2.6						
		4902	20.0	23.5					Phosphorus 1.0	1.0						
20% Range Wafers.....Sidney			8.5	6.9NPN					1.8-2.2	2.3						
Gold Label 38% Pork Maker.....Bainville		4689	38.0	36.7*												
Gold Label 32% Beef Supplement.....Bainville		4690	32.0	32.3					1.9-2.2	1.9	A	40,000	54,000			
			16.2	16.8												
THE GREAT WESTERN SUGAR COMPANY 3200 State Avenue Billings, MT 59101 Beet Pulp Pellets....Billings Molasses.....Billings		4708	8.0	7.7			20.0	17.8								
		4826	7.5	9.1												
H & T PELLETING Route 1 Fairfield, MT 59433 Alfalfa Pellet.....Fairfield		4666														
HALL CHEMICAL CO. Wickliffe, OH 44092 Cobalt Carbonate 46%.....Gt. Falls		4879							46.0	46.5						
HILL MILLING Box 70 Terreton, ID 83450-0070 Cattle Supplement R-100 Medicated.....Missoula Lambing Pellet.....Missoula		4770	14.0	12.0*	2.0	2.4	22.0	19.5								
		4771	13.0	13.6	2.0	2.1	25.0	26.6	Phosphorus 0.5	0.4						
HUBBARD MILLING CO. 424 North Front Street Mankato, MN 56001 Energy Cake.....Glendive Rabbit Pellets.....Glendive 14% Calf Creep 166 Medicated.....Ekalaka		4694	12.0	12.5												
		4695	16.0	14.6*	3.0	2.5	13.0	12.7			A	20,000	19,000			
		4793	14.0	14.9	2.0	4.4	15.0	12.6			D ₃	4,500	4,100			
INTERNATIONAL MINERALS & CHEMICAL CORP. Box 207 Terre Haute, IN 47808 21% Calcium Phos.....Sidney		4769														
KALISPELL FEED & GRAIN Box 1075 Kalispell, MT 59901 16% Layer Pellets....Kalispell Beef-Gro.....Kalispell Pig Pre-Starter.....Kalispell Dr. Kimball's Horse Ration.....Kalispell		4648	16.0	15.7	2.0	3.3	6.0	3.0								
		4649	12.0	13.0	2.5	3.0	9.5	7.8								
		4650	20.0	23.2	2.5	4.0	4.0	4.5								
Developer Crumbles..Kalispell		4651	14.5	16.0			8.-12.0	8.9								
		4652	16.0	16.5					Calcium 0.5-0.8	0.75	A	25,000	12,000*			
									Phosphorus 0.6	0.6	D	2,000	2,000			
														(1) Amprolium	0.0125	0.0111

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN		FAT		FIBER		MINERALS		VITAMINS USP UNITS		(1) DRUGS (2) CONTAMINANT	
			(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)		
KALISPELL FEED & GRAIN (continued)														
16% Layer Mash.....Kalispell		4653	16.0	15.0*										
14% Hog Grower.....Kalispell		4654	14.0	14.5								A	44,000	35,000
Calf Starter Pellet..Kalispell		4655	25.0	25.6								D ₂	11,000	8,400
14% Dairy Pellet....Kalispell		4855	14.0	15.5										
Beef Gro.....Kalispell		4856	12.0	11.7										
LAKE MILLING, INC.														
110 Mill Street														
Hamilton, MT 59840														
Complete for														
Horses.....Hamilton		4632	12.0	15.1	1.5	2.8	24.0	11.5	Calcium 2.5-3.5		A	3,500		3,300
16% Dual Layer.....Hamilton		4633	16.0	17.4					Phosphorus 0.7					
									Salt 0.4-0.9					
X-tra Milk 13.....Hamilton		4634	13.0	12.1*	2.0	1.8	8.0	7.6	Calcium 0.7-1.25		A	5,000		4,500
All Natural 27.....Hamilton		4635	27.0	25.0*					Phosphorus 2.75		A	45,000		21,000*
									Salt 2.25-3.25		D ₃	3,600		3,300
20% Cow Cake.....Hamilton		4919	20.0	20.4							A	20,000		20,000
14% Cow Cake.....Hamilton		4920	14.0	15.2	1.5	3.4	8.0	5.9						
LAND O' LAKES														
Agricultural Services														
Fort Dodge, IA 50501														
47.5% Soybean Meal..Choteau		4870	47.5	45.9*										
47% Soybean Meal....Culbertson		4893	47.0	45.2*										
44% Soybean Meal Solvent														
Extracted.....Plentywood		4901	44.0	44.4										
44% Soybean Meal....Sidney		4768	44.0	44.2										
LESLIE SALT CO.														
7200 Central Avenue														
Newark, CA 94560														
Life-O-Dine Trace Mineral														
Salt.....Belgrade		4809							Zinc 0.6					
									Manganese 0.3					
									Copper 0.0339					
Vit A D Premix.....Belgrade		4815									A	20,000,000		43,000,000
Selenium Premix.....Lewistown		4829									D	4,000,000		3,700,000
Cattle Premix #864..Lewistown		4830									A	27,650,000		33,000,000
											D ₃	6,800,000		6,200,000
											A ₃	45,000		49,000
											D ₃	22,500		20,000
Leslie Vit. Premix..Ronan		4915							Selenium 0.02					
LOOMIX, INC.														
320 Bernard Street														
Billings, MT 59101														
B S 1 S Summer														
Loomix.....Billings		4736	12.5	12.1							A	20,000		50,000
			4.0	2.3NPN							D	5,000		5,800
B R 5 S No. 5														
Loomix.....Billings		4737	24.0	24.0							A	20,000		46,000
			16.5	15.8NPN							D	5,000		7,700
LOOMIX, INC.														
Box 490														
Arroyo Grande, CA 93420														
Loomix 5 Ranger.....Fairview		4686	25.0	23.8*					Phosphorus 1.0		A	20,000		26,000
			16.5	15.8NPN							D	5,000		5,200
McBLAIR'S FSC														
Star Route A														
Twin Bridges, MT 59754														
Moranol Prem. Sup....Twin Bridges		4607							Phosphorus 1.1					1.2
									Salt 2.6-3.0					5.1*
									Ash 11.75					9.1

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN		FAT		FIBER		MINERALS		VITAMINS USP UNITS		(1) DRUGS (2) CONTAMINANT	
			(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)
McBLAIR'S FSC (continued) Moranol Prem. Sup....Twin Bridges		4754	0.5	5.3						Calcium 0.2-1.2 Phosphorus 1.0 Salt 2.5-3.5 Ash 11.0 Calcium 0.2-1.2 Phosphorus 1.0 Salt 1.0-2.0 Ash 10.0	0.23 1.3 4.6* 8.5 0.33 1.2 3.4* 7.4			
Morea Reg. Sup.....Twin Bridges		4755	45.0 44.0	45.2 41.6NPN										
MAYVILLE ELEVATOR Mayville, ND 58257 Screenings.....Billings		4707	12.0	12.5	4.0	3.4	14.0	14.1						
MILES CITY RENDERING CO. Box 476 Miles City, MT 59301 Meat & Bone Meal....Miles City		4683	50.0	56.5										
MONTANA ALFALFA PRODUCE Box 95 Custer, MT 59024 Alfalfa Pellets.....Custer		4678												
MOORMAN MFG. CO. Box 1C 1000 North 30th Quincy, IL 62301 Minstrate 45 Pellets for Dairy Cows.....Kallispell Nursestrate NT Med...Kallispell Premix-trate for Hogs TY Medicated.....Choteau		4853 4854 4871	45.0 22.0 25.0	44.1 21.2* 25.1	15.0	16.8				Calcium 12.0-14.4 Phosphorus 4.8 Salt 9.2-11.0 Calcium 12.0-14.4 Phosphorus 4.8 Salt 9.2-11.0 Salt 3.5-4.5	13.7 4.7 9.4 12.5 5.2 9.5 4.5	A A	40,000 50,000 42,000 82,000	
Premix-trate for Hogs.....Choteau		4872	25.0	25.9										
Mintrate Block Blonde A.....Wagner		4884	42.0 12.0	43.7 10.5NPN										
GroStrong Minerals for Horses.....Hamilton		4917												
Nursestrate NT Med...Hamilton Calif Strtr Med.....Helena Quick-start Grower TYS Med.....Helena Roughage Buster 80..Big Timber		4918 4926 4927 4928	22.0 18.0 18.0 80.0	21.8 18.9 18.3 74.7*	15.0	16.5				Calcium 15.2-18.2 Phosphorus 7.5 Salt 26.0-31.0 Calcium 4.4-5.4 Phosphorus 4.0 Salt 3.9-4.9	15.2 7.4 28.4 5.8 3.5 9.7*	A D	250,000 35,000 380,000 29,000	
NASH BROTHERS Box 405 Scobey, MT 59263 Check-R-Mix Hog Finisher Med.....Scobey Check-R-Mix Pig Starter Med.....Scobey		4582 4583	12.0 18.0	13.7 20.8	2.5 1.5	1.8* 1.7	6.0 7.0	3.3 4.1						
NUTRA-CHOICE, INC. Box 134 Stanford, MT 59479 Vitamin A, D, E Blend.....Stanford		4722												
Trace Mineral Sup....Stanford		4723								Salt Zinc	65.6 0.36	A D	2,000,000 1,000,000	2,900,000 32,000*

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN		FAT		FIBER		MINERALS	VITAMINS		(1) DRUGS (2) CONTAMINANT	
			(C)	(F)	(C)	(F)	(C)	(F)		USP UNITS	(C)	(F)	(C)
NUTRA-CHOICE, INC. (continued)													
Trace Min. Sup (continued)													
Winner's Choice.....Stanford		4724							Manganese				
									Copper				0.65
NCI Vitamin A, D,									Cobalt				0.27
& E Blend.....Forsyth		4794							Iron				0.13
OCCIDENTAL CHEMICAL COMPANY													
Box 1185													
Houston, TX 77001													
Dicalcium Phosphate.Gt. Falls		4800							Calcium				19.0-22.8
									Phosphorus				18.5
									Flourine				0.1362
									Calcium				19.0-22.8
Dicalcium Phosphate.Gt. Falls		4858							Phosphorus				18.5
									Flourine				0.183
PEAVEY COMPANY													
Box 126													
Belgrade, MT 59714													
Cattle Conditioner 4-A													
Day Med.....Belgrade		4810	14.0	14.3									
Dyna Gro Instantized Lamb													
Milk Replacer.....Belgrade		4811	24.0	22.6*	30.0	29.9							
Pro Tone Block "20"													
S.....Belgrade		4812	20.0	20.3					Salt				15.-18.0
			6.4	6.3NPN									18.0
Lamb Grower "13"Med.Belgrade													
Lamb Creep "15".....Belgrade		4816	13.0	12.5*									
Body Bldr. Med.....Belgrade		4817	15.0	15.2									
Dairy Booster "13" ..Belgrade		4819	13.0	12.9	2.0	2.7	8.0	6.6					
PEAVEY COMPANY													
Box 547													
Conrad, MT 59425													
PV Hog Pro-Tone "B"													
100 Med.....Conrad		4751	32.0	31.7					Calcium				4.5-5.5
									Phosphorus				1.5
									Salt				2.5-3.5
PV Triple Booster													
"36".....Conrad		4752	36.0	33.9*									
PV Booster Cake													
"20".....Conrad		4753	20.0	15.8*									
PV Hog Pro-Tone "B"													
Nixer.....Conrad		4875	32.0	29.6					Calcium				4.5-5.5
									Phosphorus				1.5
PV Triple Booster													
"36".....Conrad		4876	36.0	36.2									
			14.5	11.ONPN									
Shoquene Topper.....Conrad		4877	25.0	22.5*					Salt				2.35-3.25
PV Cattle Conditioner													
4-A-Day Med.....Conrad		4878	14.0	13.8									
PEAVEY COMPANY													
Box 779													
Lewistown, MT 59457													
All Natural Cake 20.Lewistown		4719	20.0	19.9					Phosphorus				1.0
All Natural 14.....Lewistown		4720	14.0	14.6					Phosphorus				0.5
5/15 Mineral Plus													
Crumbles.....Lewistown		4721	22.0	22.6NPN					Calcium				4.5-5.5
									Phosphorus				15.0
									Salt				5.0-6.0
									Iodine				0.03
													0.009*

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN		FAT		FIBER		MINERALS		VITAMINS		(1) DRUGS (2) CONTAMINANT	
			(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	USP UNITS	(C)	(F)	(F)
PEAVEY COMPANY 730 Second Avenue South Minneapolis, MN 55402														
Shoquene.....Butte Pig Grower "16"		4608	12.0	14.9							A	5,500	12,000	
2A Med.....Belgrade		4625	16.0	16.5	2.0	2.8	7.0	5.5						
Hog Finisher "13"		4626	13.0	12.5*	2.0	2.6	6.5	5.4						
2A Med.....Belgrade		4627	32.0	31.5					Calcium 4.5-5.5 Phosphorus 1.5 Salt 2.5-3.5	5.5 1.7 2.7				
Hog Pro-Tone "B"		4628	16.0	15.5					Calcium 2.5-3.5 Phosphorus 7.0 Salt 4.0-9.0	2.5 0.6 0.9				
100 Med.....Belgrade		4629	20.0	20.1					Calcium 3.5-4.5 Phosphorus 1.0 Salt 1.0-2.0	3.8 1.0 1.4				
All Layer "16".....Belgrade		4630	18.0	17.9	2.5	3.7	4.5	4.5						
Layer 20.....Belgrade		4631	15.0	14.0*	2.0	2.8	8.0	6.2						
Pig Hustler "18"1A...Belgrade		4642	13.0	13.2					Salt 12.5-15.0	13.8	A	10,000	14,000	
Sow G&L Ration.....Belgrade		4643	20.0	22.0					Salt 14.5-17.0	15.6	D ₃	5,000	4,100	
Breeder Block 13....Belgrade		4644	14.0	14.2					Calcium 1.0-4.0 Phosphorus 0.6 Salt 12.5-15.0	1.0 0.7 13.7	D ₃ A ₃ D ₃	20,000 15,000 3,000	22,000 5,100* 19,000	
Natur-Pro 20 Block..Belgrade		4645	15.0	14.9	2.0	3.3	10.0	8.0						
4 Seasons Block.....Belgrade		4646	12.0	10.2*	1.8	2.3	9.0	6.0			A	5,000	4,500	
Calf Grower Med.....Belgrade		4647	20.0	20.1					Salt	10.-12.0	A	2,500	2,400	
Beef-Up.....Belgrade		4696	14.0	14.5							D ₃	20,000	31,000	
Pro-Tone Blk. "20"....Belgrade		4697	1.8	1.2NPN							D ₃	4,000	4,700	
Peavey Cattle Conditioner		4698	6.4	6.0NPN							A	12,000	4,500*	
Med.....Glendive		4725	14.0	14.5										
Barley w/Molasses....Glendive		4726	11.0	11.8	1.75	2.0	12.0	5.8						
Pig Hustler 18 1A...Glendive		4727	18.0	16.7*					Calcium 3.5-4.5 Phosphorus 1.0 Salt 1.0-2.0	4.3 1.1 1.3	A D A	20,000 10,000 20,000	29,000 2,000* 21,000	
Hog Finisher 13		4728	20.0	20.1							D	4,000	2,500	
2A Med.....Glasgow		4829	12.5	14.3							A	5,000	7,600	
Layer 20.....Glasgow		4742	18.0	18.9							A	7,500	7,200	
White Tag 20.....Glasgow		4743	25.0	24.3					Calcium 1.5-2.5 Phosphorus 2.0	2.3 2.1	A D ₃ A ₃	45,000 3,600 5,000	42,000 3,000 9,900	
White Tag 20.....Wolf Point		4746	15.0	16.8	2.0	2.2	10.0	8.3			D	30,000	35,000	
Econo Calf.....Wolf Point		4747	20.0	19.9	1.5	2.1	8.0	10.2*				6,000	4,800	
Peavey Foalquene....Belgrade		4748	20.0	21.0										
Shoquene Topper....Belgrade		4758	6.5	6.3NPN					Calcium 2.5-3.5 Phosphorus 0.7 Salt 0.4-0.9	1.4* 0.7 0.3	A	10,000	26,000	
Calf Grower Med.....Sidney		4759	14.0	14.0	2.5	3.6	6.0	3.6			D	30,000	69,000	
Booster Cake 20.....Sidney		4760	20.0	17.8*								6,000	7,900	
Chick Starter 20 1A		4806	6.5	5.1NPN										
Med.....Sidney		4903	20.0	21.0										
Layer 16.....Miles City		4904	16.0	17.5					Iron 0.2625 Selenium 0.002976 Zinc 0.3	0.2273 0.00019 0.28	A D	10,000 30,000	26,000 69,000	
All Natural 14.....Miles City		4906	14.0	14.4					Calcium 3.5-4.5 Phosphorus 1.0 Salt 1.5-2.5	4.2 1.0 2.4	A D	10,000 30,000	26,000 69,000	
Booster Cake 20.....Miles City		4907	20.0	17.8*					Calcium 2.0-3.0 Phosphorus 2.0	2.4 2.0				
Pig Starter Pre-Mix			6.5	5.1NPN										
60.....Belgrade														
Foalquene.....Sidney			18.0	19.2										
Beef Pro Tone 32 B1.Sidney			32.0	34.0										
Lamb Grower 13.....Sidney			21.5	24.4*NPN										
Dairy Pro Tone 38....Sidney			13.0	14.4										
			38.0	36.9										
			14.5	13.5NPN										

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MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN (C) (F)	FAT (C) (F)	FIBER (C) (F)	MINERALS (C) (F)	VITAMINS USP UNITS (C) (F)	(1) DRUGS (2) CONTAMINANT (C) (F)
PEAVEY COMPANY (continued) Cattle Conditioner 4 H Day.....Sidney		4908	14.0 28.4				A 12,000 12,000	
PFAU'S HAY PELLETT MILL R.R. #2, Box 109 Stevensville, MT 59870 Pfau's 14-6 Hay & Grain Pellet.....Stevensville Pfau's 14-6 Hay & Grain Pellet.....Stevensville		4636 4922	14.0 12.9* 14.0 13.9					
PHIL-CO FEEDS, INC. Box 160 Malta, MT 59538 Check R Mix Pig Grower.....Malta Barley Cake.....Malta		4619 4618	15.0 15.9 12.0 11.5					(2) Lead (ppm) 0.1 (2) Cadmium (ppm) 0.38
15% Beef Creep Pel..Malta Check R Mix Pig Grower.....Malta		4885 4886	15.0 13.7* 15.0 16.4					
PRODUCERS COTTON OIL COMPANY Box 1832 Fresno, CA 93717 Cottonseed Meal.....Billings		4709	41.0 40.0			Calcium 36.0-39.0 Selenium 0.02		
QUALI-TECH PRODUCTS 318 Lake Hazeltine Drive Chaska, MN 55118 Selenium Premix.....Gt. Falls		4864						
RANCHERS COTTON OIL Box 2596 Fresno, CA 93745 Cottonseed Meal.....Lewistown		4718	41.0 49.1					
SACO DEHY, INC. Box 268 Saco, MT 59261 Alfalfa Pellets.....Saco Alfalfa Pellets.....Saco Dehydrated Alfalfa..Saco		4623 4624 4887	17.0 14.9*					(2) Endrin (2) Endrin None None
SHELTON RANCHES INC. Box 1107 Kerrville, TX 78028 Equine-Game Base Mix.....Belgrade		4805	14.0 17.8					
SOUTHWEST BY-PRODUCTS INC. Box 2876 Springfield, MO 65803 Bone Meal.....Belgrade		4814				Calcium 23.0-25.0 Phosphorus 18.0	27.2 20.1	
STANDARD CHEMICAL MANUFACTURING CO. Box 3844 Omaha, NE 68103 Montana Hi-Phos Mineral.....Billings		4738				Calcium 4.5-5.5 Phosphorus 15.0 Iodine 0.10 Calcium 16.-19.0 Phosphorus 17.0 Iodine 0.05 Calcium 2.0-3.0 Phosphorus 5.0 Salt 18.-21.6 Iodine 0.02	5.4 15.0 0.08 20.4 15.1 0.03 3.8 5.3 20.4 0.02	
One By One Min.....Billings		4739						
Cattle Booster.....Billings		4740					A 155,000 140,000	

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MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN		FAT		FIBER		MINERALS	(F)		VITAMINS USP UNITS		(1) DRUGS (2) CONTAMINANT		
			(C)	(F)	(C)	(F)	(C)	(F)		(C)	(F)	(C)	(F)	(C)	(F)	
STANDARD CHEMICAL MANUFACTURING CO. (continued)																
Mr. Neaty Base Mix..Billings		4741	32.0	33.4					Calcium	11.-13.0	10.7	A	60,000	76,000		
									Phosphorus	6.0	6.5					
									Iodine	0.01	0.01					
STEVENSVILLE FELD & FUEL																
Box 69																
Stevensville, MT 59870																
Rabbit Feed.....Stevensville		4637	17.0	19.3	2.0	1.9	19.0	15.8								
Hog Finisher.....Stevensville		4638	14.0	14.0	1.5	2.0	7.0	4.0								
Pig Grower.....Stevensville		4639	16.0	15.7	1.5	2.3	7.0	4.0								
Sow Feed.....Stevensville		4640	14.0	16.3												
Check-R-Mix Pig																
Starter.....Stevensville		4641	18.0	18.8												
Sow Feed.....Stevensville		4923	14.0	16.7												
12% Range Feed.....Stevensville		4924	12.0	11.8												
			1.7	0.2NPN												
Laying Feed (all mash).....Stevensville		4925	15.0	15.3												
TALBOT-CARLSON, INC.																
Highway 71 South																
Audubon, IA 50025																
TCI P.....Billings		4764							Phosphorus	20.5	20.5	A	45,000	36,000		
TCI 21T.....Billings		4765							Salt	18.-22.5	20.0					
									Iodine	0.007	0.006					
TCI K.....Billings		4766							Potassium	31.0	28.3					
TCI N.....Billings		4791							Sodium	27.09	27.1					
THREE RIVER FEEDS																
Box 334																
Manhattan, MT 59741																
Morea Plus Sup.....Manhattan		4779	45.0	47.4					Calcium	0.02-1.2	0.3				(1)Arsanilic Acid	0.01
			44.0	40.4*NPN					Salt	0.5-1.5	3.1*				(1)Furazolidone	0.022
TRIPLE "F" FEEDS																
Box 3600, Urbandale Branch																
Des Moines, IA 50322																
Triple "F" Nutri-Power Pig																
Starter #1 Med.....Choteau		4544	22.0	21.2*	9.0	8.2	4.0	3.0								
Western Para-con Plus																
No. 8732.....Choteau		4669	18.0	19.3					Calcium	2.0-3.0	2.8	A	150,000	450,000		
									Phosphorus	5.0	4.6	D ₃	25,000	18,000		
									Salt	8.5-10.2	8.2					
									Sulfur	0.5	0.7					
VALCO AGRI SERVICE																
Box 129																
Glasgow, MT 59230																
Valco Layer 20.....Glasgow		4888	20.0	17.9*					Calcium	4.0-5.0	5.0					
Valco Creep Ration..Glasgow		4889	13.0	12.9					Phosphorus	1.0	1.0					
Hog Finisher 13.....Glasgow		4890	13.0	14.8												
VYLACTOS LAB																
Div. of Pacific Molasses Co.																
2225 Childs Road																
St. Paul, MN 55106																
Dynasol 100 CFS.....Belgrade		4808	40.0	35.6												
WANG FEEDS																
Box 25																
Baker, MT 59313																
Hi Energy Cake.....Baker		4691	12.0	10.9*	1.5	2.0	8.0	4.1							(2)Endrin	None
Hog Grower Ration...Baker		4692	14.0	10.9*												
Custom Formula Fd....Baker		4693														

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN		FAT		FIBER		MINERALS		VITAMINS USP UNITS		(1)DRUGS (2)CONTAMINANT	
			(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)
WESTERN SEED & SUPPLY CO.														
Box 67														
Ronan, MT 59864														
Horse Pellets.....Ronan		4670	12.0	13.2	2.5	3.0	10.0	6.9			A	5,500		<2,000*
Calif Starter 19.....Ronan		4671	19.0	18.5	2.0	4.4	11.0	6.6			A	10,000		<2,000*
											D ₃	5,000		5,000
Cattle Starter 4.....Ronan		4672	14.0	14.0							A ³	12,000		<2,000*
Pig-Pre-Starter 22..Ronan		4673	22.0	21.9	3.0	2.6	4.0	3.1						
Sow Ration.....Ronan		4674	15.0	14.0*										
Hog Finish. "13".....Ronan		4675	13.0	13.0	2.0	3.2	6.5	3.2						
Hi-Energy Broiler														
Ration.....Ronan		4676	20.0	20.2	3.0	4.3	6.0	3.2	Calcium 3.5-4.5	2.5*				
Layer 20.....Ronan		4677	20.0	19.9					Phosphorus 1.0	0.9				
									Salt 1.0-2.0	0.6*	A	20,000		22,000
Range Cake 20W.....Ronan		4909	20.0	17.8										
Creep Ration.....Ronan		4910	12.5	12.1										
Calif Grower.....Ronan		4911	15.0	16.8										
Dairy Ration "15".....Ronan		4912	15.0	16.6	2.0	2.6	8.0	6.1						
Calif Starter 19.....Ronan		4913	19.0	19.3										
Hog Finisher.....Ronan		4914	13.0	14.0										
WESTERN STATES INDUSTRIES														
Box 855														
Choteau, MT 59422													(2)Endrin	None
Alfalfa Pellet.....Choteau		4667												
Nutri-Supreme Pig Starter													(1)Arsanilic Acid	0.01
No.2.No.W2015.....Choteau		4668	20.0	21.3									(1)Furazolidone	0.022
WESTFEEDS (CONAGRA)														
1420 Minnesota														
Billings, MT 59101														
Custom Min. Mix.....Gt. Falls		4804												
WEYERHAUSER (WARTREX)														
P. O. Box 1-G														
Minnetonka, MN 55343														
Urea.....Billings		4827							Calcium 27.5	28.6				
									Iodine 0.38	0.39				
									Manganese 9.4	9.0				
									Iron 5.0	5.2				
WYCON CHEMICAL CO.														
Box 1287														
Cheyenne, WY 82003-1287														
Feed Urea.....Lewistown		4831	287.0	286.9NPN					Nitrogen 46.0	46.1				
CONAGRA, INC.														
Box 938														
Rolla, MO 65401														
Charm Cat Food.....Gt. Falls		4780	30.0	33.1	10.0	10.1								
CONTINENTAL GRAIN CO.														
Wayne Feed Division														
Box 459														
Libertyville, IL 60048														
Wayne Puppy-O's														
Puppy Food.....Billings		4792	28.0	28.6	9.0	10.0	5.0	4.9						
8 IN 1 PET PRODUCTS, INC.														
100 Enjay Blvd.														
Brentwood, NJ 11717														
Parakeet Woodland														
Mix.....Billings		4787	12.0	12.6	6.0	5.6	10.0	6.9						

PET FOODS

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN		FAT		FIBER		MINERALS		VITAMINS		(1) DRUGS (2) CONTAMINENT		
			(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	
GEISLER PET PRODUCTS INC. (ConAgra)															
3902 Leavenworth Street Omaha, NE 68105															
Bird Biscuits.....Gt. Falls		4781	11.0	14.9	7.0	14.0	1.0	0.3							
Wild Bird Mix.....Gt. Falls		4782	12.0	12.2	3.0	4.4									
HARTZ MOUNTAIN CORPORATION															
700 S. 4th Street Harrison, NJ 07029-9987															
Finch Seed.....Gt. Falls		4783	12.0	13.2	2.0	3.1	8.0	5.1							
HOFFY'S PET PRODUCTS															
3100 Harrison Avenue Butte, MT 59701															
Guinea Pig Food.....Butte		4774	16.0	16.3	2.0	3.7	15.0	12.1							
HUBBARD MILLING CO.															
424 North Front Street Mankato, MN 56001															
Dog Food.....Ekalaka		4795	23.0	23.0	7.0	6.9	4.0	5.0							
IAMS FOOD CO.															
P. O. Box 862 Lewisburg, OH 45338															
Iams Chunk Dog Food.....Helena		4772	25.0	27.2	15.0	17.7	3.5	3.6							
KAYTEE PRODUCTS INCORPORATED															
Box 230 Chilton, WI 53014															
Parakeet Condition Food.....Billings		4788	17.5	15.6*	11.5	9.8*									
PEAVEY COMPANY															
730 Second Avenue South Minneapolis, MN 55402															
Dyna-Gro Chunk Style Cat Food.....Belgrade		4775	30.0	32.0	7.0	6.5	4.5	3.1							
QUAKER OATS CO.															
345 Merchandise Mart Chicago, IL 60654															
Kibbles n Bits Dog Food.....Miles City		4797	19.0	19.2	5.0	7.0	5.0	4.3							
RALSTON PURINA CO.															
Checkerboard Square St. Louis, MO 63188															
Special Dinners-Farm Style Dinners.....Miles City		4796	30.0	30.7					Calcium 1.0 Phosphorus 0.8			1.2 1.0			
SAN FRANCISCO SEAMASTER															
8455 West Mercer Way Mercer Island, WA 98040															
Freeze Dried Mosquito Larvae.....Billings		4786	56.0	55.2											
WARDLEY PRODUCTS COMPANY, INC.															
Box 2515 Secaucus, NJ 07094															
Shrimp Pellets.....Billings		4790	38.0	36.9	2.0	4.5	8.0	7.3							
ROSS WELLS, DIVISION OF BEATRICE FOODS															
Box 426 Meguon, WI 53092															
A.N.F. 24 Dog Fd.....Billings		4784	24.0	26.3	15.0	16.6	5.0	5.0							
A.N.F. 30 Dog Fd.....Billings		4785	30.0	27.7*	18.0	22.6									

1982 FEED ANALYSIS BREAKDOWN

COMMERCIAL	NO. ANALYZED	NO. OUT OF TOLERANCE	% OUT OF TOLERANCE	PET FOODS	NO. ANALYZED	NO. OUT OF TOLERANCE	% OUT OF TOLERANCE
Protein	268	51	19.0	Protein	17	2	11.8
NPN	33	7	21.2	Fat	15	1	6.7
Fat	68	1	1.5	Fiber	11	0	--
Fiber	63	1	1.6	Calcium	1	0	--
Calcium	80	8	1.0	Phosphorus	1	0	--
Phosphate	80	2	2.5				
Salt	71	8	11.3				
Vitamin A	101	7	6.9				
Vitamin D	47	5	10.6				
Amprolium	1	0	--				
Arsanilic Acid	2	0	--				
Ash	3	0	--				
Cadmium	1	0	--				
Cobalt	1	0	--				
Copper	1	0	--				
Endrin	12	0	--				
Flourine	2	0	--				
Furazolidone	2	0	--				
Iodine	12	1	8.3				
Iron	3	0	--				
Lead	1	0	--				
Magnesium	5	0	--				
Manganese	4	1	--				
Potassium	3	0	--				
Selenium	2	0	--				
Sulfur	2	0	--				
Zinc	5	0	--				

YEAR	NO. SAMPLES TAKEN	NO. OUT OF TOLERANCE	% OUT OF TOLERANCE
1977	368	124	34
1978	401	105	26
1979	231	39	17
1980	437	62	14
1981	251	73	29
1982	332	82	25

YEAR	TONNAGE
1976	391,176
1977	339,946
1978	322,452
1979	412,113
1980	373,463
1981	331,625
1982	318,312

MONTANA COMMERCIAL FEED REPORTED

FOR 1982

FORMULA FEEDS		NO. OF TONS	FEED INGREDIENTS	NO. OF TONS
1. Broiler Feeds	Complete	1,721	1. Alfalfa Products	5,465
	Supplement	8	2. Animal Products	383
2. Turkey Feeds	Complete	248	3. Barley Products	1,746
	Supplement	26	4. Beet Products	1,900
3. Starter-Grower (Egg-Type)	Complete	5,169	5. Brewers Products	0
	Supplement	80	6. Cottonseed Products	1,083
4. Layer-Breeder (Egg-Type)	Complete	11,124	7. Distillers Products	0
	Supplement	2,970	8. Fats & Oils	21
5. Beef Feeds	Complete	77,966	9. Linseed & Flax Products	34
	Supplement	64,213	10. Maize Products	161
6. Dairy Feeds	Complete	7,594	11. Marine Products	33
	Supplement	80	12. Milk Products	131
7. Swine Feeds	Complete	9,666	13. Mineral Products	10,576
	Supplement	9,193	14. Molasses	34,016
8. Sheep Feeds	Complete	1,662	15. Oat Products	763
	Supplement	92	16. Rye Products	0
9. Horse Feeds	Complete	1,367	17. Vitamin Products	224
	Supplement	423	18. Soybean Products	1,585
10. Mineral Feeds	Complete	2,673	19. Urea	872
	Supplement	7,424	20. Wheat Products	27,825
11. Miscellaneous		19,792	21. Miscellaneous Products	8,003
TOTAL FORMULA FEED TONNAGE		223,491	TOTAL INGREDIENT TONNAGE	94,821
				<u>318,312</u>

MONTANA DEPARTMENT OF AGRICULTURE
PLANT INDUSTRY DIVISION
AGRICULTURE/LIVESTOCK BLDG.
CAPITOL STATION
HELENA, MT 59620

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